



## Material Content Data Sheet



<b>Sales Product Name</b>		SAF-C161O-LM 3V HA		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001235002						
<b>Package</b>		PG-MQFP-80-13		<b>Weight*</b>		972.20 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	17.388	1.79	1.79	17885	17885
leadframe	non noble metal	magnesium	7439-95-4	0.349	0.04		359	
	inorganic material	silicon	7440-21-3	1.511	0.16		1554	
	non noble metal	nickel	7440-02-0	6.975	0.72		7175	
	non noble metal	copper	7440-50-8	223.668	23.01	23.93	230065	239153
wire	noble metal	gold	7440-57-5	1.687	0.17	0.17	1735	1735
encapsulation	organic material	carbon black	1333-86-4	2.109	0.22		2170	
	plastics	epoxy resin	-	89.299	9.19		91853	
	inorganic material	silicondioxide	60676-86-0	611.734	62.91	72.32	629227	723250
leadfinish	non noble metal	tin	7440-31-5	9.487	0.98	0.98	9758	9758
plating	noble metal	silver	7440-22-4	3.927	0.40	0.40	4039	4039
glue	plastics	acrylic resin	-	0.813	0.08		836	
	noble metal	silver	7440-22-4	3.251	0.33	0.41	3344	4180
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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